

DECLARATION AND POWER OF ATTORNEY
FOR ORIGINAL U.S. PATENT APPLICATION



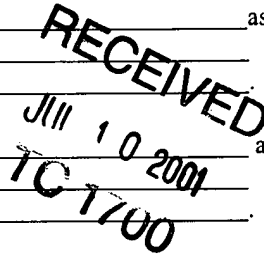
Attorney's Docket No. SYMXP001

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PARALLEL REACTOR WITH KNIFE-EDGE SEAL**, the specification of which,

- (check one)
1. ☐ is attached hereto.
2. ☒ was filed on October 17, 2000 as
U.S. Application No. 09/691,421
and was amended on _____
3. ☐ was filed on _____ as
International PCT Application No. _____
and was amended on _____



I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR § 1.56.

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Benefits Claimed?

(Appl. No.)

(Country)

(Filing Date)

☐ Yes ☐ No

(Appl. No.)

(Country)

(Filing Date)

☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Prior Provisional Application(s)

(Application No.)

(Filing Date)

(Application No.)

(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s)

<u>09/607,535</u> (Application No.)	<u>6/29/2000</u> (Filing Date)	<u>Pending</u> (Status - patented, pending, abandoned)
<u>09/093,870</u> (Application No.)	<u>6/9/1998</u> (Filing Date)	<u>Patented (6,149,882)</u> (Status - patented, pending, abandoned)

And I hereby appoint the law firm of Ritter, Lang & Kaplan LLP, including **Michael J. Ritter (Reg. No. 36,653); Dan H. Lang (Reg. No. 38,531); Cindy S. Kaplan (Reg. No. 40,043); and Peggy A. Su (Reg. No. 41,336) and also Paul Stone (Reg. No. 38,628); and Ronald A. Krasnow (Reg. 33,321)** as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Please Direct all Correspondence To: Customer No. 26541
Ritter, Lang & Kaplan LLP
12930 Saratoga Ave., Suite D1
Saratoga, CA 95070

Direct Telephone Calls To: Cindy S. Kaplan at (408) 446-8695

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of
Sole or First Inventor: Xiao Ping Zhou Citizenship: China

Inventor's signature: _____ Date of Signature: _____

Address: (City) Lompoc (State/Country) CA/USA

Post Office Address: 628 North 4th. St., Apt. #4, Lompoc, CA 93436

Full Name of Second Joint
Inventor (if any): Sam Bergh Citizenship: USA

Inventor's signature: _____ Date of Signature: _____

Address: (City) San Francisco (State/Country) CA/USA

Post Office Address: 2027 18th Street, San Francisco, CA 94107

Full Name of Third Joint

Inventor (if any): Christopher E. Dube

Citizenship: USA

Inventor's signature: _____

Date of Signature: _____

Address: (City) Lexington

(State/Country) MA/USA

Post Office Address: 27 Hayward, Lexington, Massachusetts 02421

Full Name of Fourth Joint

Inventor (if any): Lynn Van Erden

Citizenship: USA

Inventor's signature: _____

Date of Signature: _____

Address: (City) Livermore

(State/Country) CA/USA

Post Office Address: 528 Alden Lane, Livermore, CA 94550

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)



Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

PARALLEL REACTOR WITH KNIFE-EDGE SEAL

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on October 17, 2000, and which bears the Application No. 09/691,421.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Symyx Technologies, Inc. a Delaware corporation having a place of business at 3100 Central Expressway, Santa Clara, CA 95051, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: _____
Typed Name: Xiao Ping Zhou
- 2) Signature: _____
Typed Name: Sam Bergh
- 3) Signature: _____
Typed Name: Chris Dube
- 4) Signature: _____
Typed Name: Lynn Van Erden

Date: _____

Date: _____

Date: _____

Date: _____

RECEIVED
JUL 10 2001
TC 1700



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re the application of

Xiao Ping Zhou et al.

Serial No. 09/691,421

Filed: October 17, 2000

For: PARALLEL REACTOR WITH
KNIFE-EDGE SEAL

Examiner: Unassigned

Art Unit: 1764

Docket No. SYMXP001

RECEIVED
JUL 10 2001
TC 1700

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on _____, 2001.

Signed: _____
Jacquie M. Vo

STATEMENT UNDER 37 C.F.R. §1.48(a)(1)

I, the person who is being added as an inventor by the petition being submitted herewith to correct the inventorship of the subject patent application do hereby declare, that the inventorship error in failing to include my name as an inventor on this patent application occurred without any deceptive intention on my part.

Lynn Van Erden

ASSIGNMENT OF PATENT APPLICATION
(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

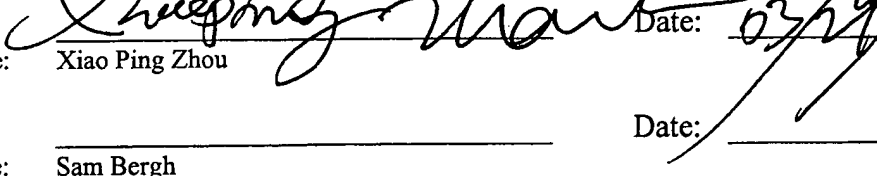
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- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature:  Date: 03/19/2001
Typed Name: Xiao Ping Zhou
- 2) Signature: _____ Date: _____
Typed Name: Sam Bergh
- 3) Signature: _____ Date: _____
Typed Name: Chris Dube

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- | | | |
|----|--|-----------------|
| 1) | Signature: _____
Typed Name: Xiao Ping Zhou | Date: _____ |
| 2) | Signature: _____
Typed Name: Sam Bergh | Date: 2/20/2001 |
| 3) | Signature: _____
Typed Name: Chris Dube | Date: 2/2/01 |

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Xiao Ping Zhou et al.

Serial No. 09/691,421

Filed: October 17, 2000

For: PARALLEL REACTOR WITH
KNIFE-EDGE SEAL



Examiner: Unassigned

Art Unit: 1764

Docket No. SYMXP001

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:
Assistant Commissioner for Patents, Washington, DC 20231 on
_____, 2001.

Signed: _____
Jacquie M. Vo

ASSENT OF ASSIGNEE TO CORRECTION AND/OR ADDITION OF INVENTOR(S)

Commissioner for Patents and Trademarks
Washington, DC 20231

Dear Sir:

Assignee hereby assents to the correction of inventorship filed herewith.

Assignee: Symyx Technologies, Inc.
3100 Central Expressway
Santa Clara, CA 95051

Assignment:

- ☐ Recorded on _____ Reel _____ Frame _____
- ☐ Recorded herewith
- ☐ A separate assignment cover sheet is attached.
- ☐ Form PTO 1595 is attached.
- ☒ Copy of assignment filed April 17, 2001.

A statement under 37 CFR §3.73(b) is attached.

Date

Signature

Title

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Xiao Ping Zhou et al.

Serial No. 09/691,421

Filed: October 17, 2000

For: PARALLEL REACTOR WITH
KNIFE-EDGE SEAL

Examiner: Unassigned

Art Unit: 1764

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Signed: _____
Jacquie M. Vo

STATEMENT UNDER 37 CFR §3.73(b)

Patent Owner: Symyx Technologies, Inc.

Application No.: 09/691,421 Filed: October 17, 2000

Entitled: PARALLEL REACTOR WITH KNIFE-EDGE SEAL

states that it is:

[X] the assignee of the entire right, title, and interest; or

[] an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest ____%.

in the patent application identified above by the virtue of:

[X] An assignment from the inventor(s) of the patent application identified above. A copy of the assignment as filed on April 17, 2001 is enclosed.

Date_____
Signature_____
Title

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JUL 10 2001
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